AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 – 17 (Canceled).

Claim 18 (Previously Presented): The method of claim 25, further comprising providing a message indicating a lead-related condition to a user based on the lead status event.

Claim 19 (Previously Presented): The method of claim 18, wherein the message indicates one of a lead conductor or connector issue, a lead insulation issue, and a biological interface issue.

Claim 20 (Previously Presented): The method of claim 19, wherein the biological interface issue includes one of myocardial perforation, lead dislodgement, and exit block.

Claim 21 (Previously Presented): The method of claim 25, wherein the processing comprises:
summing the assigned weighted values to determine if one of a plurality of lead status events has occurred.

Claims 22 – 24 (Canceled).

Claim 25 (Currently Amended): A method of lead status monitoring by a lead status monitor in an implantable medical device, the method comprising:

measuring an impedance along an electrical pathway;

measuring a non-physiologic sensed event along the electrical pathway;

collecting data relating to at-least-one-of a percent of time in mode switch, an R-wave amplitude, a P-wave amplitude, a reversion pace count, a refractory sense-count, a high rate episode-count, and a time from implant;

processing, by the lead status monitor, the collected data, the measured impedance and the non-physiologic sensed events with an algorithm having a set of weighted sum rules, wherein the algorithm assigns a value to each of the measured impedance, the measured non-physiologic sensed event, and each of the at-least-one-of-the percent of time in mode switch, the R-wave amplitude, the P-wave amplitude, the reversion pace count, the refractory sense count, the high rate episode-count, and the time from implant; and

determining, by the lead status monitor, if a lead status event has occurred based on a result of the algorithm.

Claim 26 (New): The method of claim 25, wherein collecting data further comprises collecting data relating to at least one of a refractory sense count or a high rate episode count, and wherein the algorithm assigns a value to the at least one of the refractory sense count or the high rate episode count.